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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/727,348
Applicant : Mohamed K. Diab
Filed : December 3, 2003
TC/A.U. : 2863
Examiner : Bryan Bui

Confirmation No. : 5470

Express Mail Certification

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and are addressed to: Commissioner for Patents, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on

Title : **SYSTEMS AND METHODS FOR DETERMINING BLOOD OXYGEN SATURATION VALUES USING COMPLEX NUMBER ENCODING**

June 7, 2005
(Date)

John M. Grover, Reg. No. 42,610

Docket No. : MLABS.021A
Customer No. : 20,995

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE TO OFFICE ACTION DATED MARCH 7, 2005

Sir:

In response to the Office action of March 7, 2005, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 5 of this paper.